

Application No.: 09/578779

Docket No.: CXT-049RCE

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for managing network resources, the method comprising:
allocating at least one resource on a server to the provision of a service to a user of a client;
monitoring activity of a user at said client to detect a change in the level of user's activity;
transmitting, in response to user inactivity, to from said client a notification of change in activity level to said server; and
~~terminating transmission of output data to said client associated with an application executing on said server in response to said notification;~~
~~storing said output data in a storage area following said notification; and~~
~~transmitting said stored output data to said client in response to a subsequent notification of change of activity, reversibly reducing said at least one allocated resource on said server in response to said notification.~~
2. (Currently amended) The method of claim 1 wherein said notification of change of activity is in response to user inactivity, wherein the step of terminating transmission comprises the step of suspending execution of the application executing on the server.
3. (Currently amended) The method of claim 2-1 further comprising storing the state of the at least one allocated resource such that resumption occurs at substantially said same state in response to a subsequent notification of change of activity.
4. (Cancelled)
5. (Currently amended) The method of claim 2-1 further comprising displaying a predefined display on said client following detection of a change in the level of user activity.
6. (Previously presented) The method of claim 5 further comprising transmitting from said server to said client said predefined display.
7. (Previously presented) The method of claim 1 wherein an allocated resource on said server is CPU time.
8. (Cancelled)
9. (Previously presented) The method of claim 1 wherein an allocated resource is bandwidth in the network communication channel associated with maintaining communication between said server and said client.

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10. (Cancelled)
11. (Currently amended) The method of claim 2-1 wherein ~~reversibly reducing the at least one allocated resource~~ terminating transmission of output data to said client comprises:
terminating communication with said client; and
~~reversibly reducing said at least one allocated resource associated with maintaining communication with said client~~
12. (Currently amended) The method of claim 11 further comprising:
~~re-establishing said communication between said client and said server; and~~
transmitting from said client a second notification of change of activity level to said server; and
re-establishing communication between said client and said server.
13. (Previously presented) The method of claim 12 wherein the re-establishment of said communication between said client and said server is initiated by said client.
14. (Currently amended) A system for managing resources, the system comprising:
a server comprising:
~~a resource for allocation in the provision of a service to a user of a client;~~
~~a resource manager allocating a resource in the provision of a service to a user of a client; and~~
a server communication link in communication with said resource manager; and
a first storage buffer in communication with said resource manager; and
a client in communication with said server, said client comprising:
an activity monitor; and
a client communication link in communication with said activity monitor,
wherein said activity monitor detects a level of activity of a user on said client and
in response to a change in said level of activity transmits over said communication
link a notification of change of activity to said server; and
wherein said resource manager, in response to said notification, ~~reversibly reduces at least one allocated resource associated with said client~~ stores output data generated by an application in said first storage buffer in response to said notification.
15. (Original) The system of claim 14 wherein said notification of change of activity represents user inactivity.

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16. (Previously presented) The system of claim 14 wherein allocated resource on said server is CPU time.

17. (Cancelled).

18. (Previously presented) The system of claim 17 wherein said server transmits said output data stored in said first storage buffer to said client in response to a subsequent notification of change of activity level.

19. (Original) The system of claim 14 wherein said server further comprises:

a server second storage buffer in communication with said resource manager, wherein said server stores the state of said at least one allocated resource when said notification is received, for resumption at substantially same said state in response to a subsequent notification of change of activity.

20. (Original) The system of claim 15 wherein said server further comprises:

a server display generator in communication with said resource manager, wherein said display generator produces a display which said server transmits to said client and wherein said client displays said display following detection of a change in the level of activity.

21. (Original) The system of claim 15 wherein said client communication link initiates re-establishing communication with said server in response to said notification.

22-26. (cancelled)

27. (Currently amended) A server for managing resources allocated to an external client, the server comprising:

a resource manager; and
a communication link in communication with said resource manager; and
a first storage buffer in communication with said resource manager.
wherein said resource manager, in response to a notification of change of activity from an external client received over the communication link, ~~reversibly reduces at least one server resource allocated to said external client~~ ~~stores application output data generated by an application in said first storage buffer.~~

28. (Original) The server of claim 27 wherein said notification of change of activity represents user inactivity.

29. (Previously presented) The server of claim 27 wherein the allocated resource is CPU time.

30. (Cancelled)

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31. (Currently amended) The server of claim 30-27 wherein said server transmits said ~~output~~
~~data~~application state stored in said storage buffer to said external client in response to a
subsequent notification of change of activity.

32. (Original) The server of claim 27 wherein said server further comprises:

a storage buffer in communication with said resource manager,
wherein said server stores the state of said at least one allocated resource in said storage
buffer, such that when subsequent notification is received in response to a change of
activity, resumption occurs at substantially said same state.

33. (Original) The server of claim 27 wherein said server further comprises: a server display
generator in communication with said resource manager, wherein said display generator
produces a display which said server transmits to an external client for displaying following
detection of a change in the level of activity.

34. (New) The server of claim 27 wherein said resource manager terminates communication
with said external client.

35. (New) The server of claim 27 wherein said resource manager terminates transmission of
application output to said external client.

36. (New) The server of claim 27 wherein said resource manager suspends execution of the
application.

37. (New) The system of claim 14 wherein said resource manager terminates communication
with said client.

38. (New) The system of claim 14 wherein said resource manager terminates transmission of
application output to said client.

39. (New) The system of claim 14 wherein said resource manager suspends execution of the
application.